Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Formation Mesaverde County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed 7-18-58

Operator Northwest Production Corp. Lease "E" Well No. 11-15

Unit G Sec. 15 Twp. 26N Rge. 3W Pay Zone: From 5492 To 5900

Casing: OD 5-1/2 WT. 14 & 15.5 Set At 5993 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5930

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 0.701 Estimated ____

Date of Flow Test: From 6-21-58 To 6-29-58 * Date S.I.P. Measured 4-4-58

Meter Run Size 4.027 Orifice Size 0.250 Type Chart 1-10 Type Taps Fl.

OBSERVED DATA

Flowing casing pressure (Dwt) ____ psig + 12 = ____ psia			(a)
Flowing tubing pressure (Dwt) ____ psig + 12 = ____ psia			(b)
Flowing meter pressure (Dwt) ____ psig + 12 = ____ psia			(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:			
Normal chart reading ____ psig + 12 = ____ psia			(d)
Square root chart reading (____)^2 x spring constant ____ = ____ psia			(d)
Meter error (c) - (d) or (d) - (c) ± = ____ psi			(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing = ____ psi			(f)
Seven day average static meter pressure (from meter chart):			
Normal chart average reading 449 psig + 12 = 461 psia			(g)
Square root chart average reading (____)^2 x sp. const. = ____ psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 461 psia			(h)
P_t = (h) + (f) = 461 psia			(i)
Wellhead casing shut-in pressure (Dwt) ---- psig + 12 = ---- psia			(j)
Wellhead tubing shut-in pressure (Dwt) 833 psig + 12 = 847 psia			(k)
P_c = (j) or (k) whichever well flowed through = 847 psia			(l)
Flowing Temp. (Meter Run) 79 °F + 460 = 539 °Abs			(m)
P_d = ½ P_c = ½ (l) = 424 psia			(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = \text{____ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,15 \left[\frac{P_c^2 - P_d^2 = 537,633}{P_c^2 - P_w^2 = 304,885} \right]^{n} \frac{1.0482}{(1.0649)^{N}} = 16 \text{ MCF/da.}$$

SUMMARY

P_c = 847 psia
Q = 15 Mcf/day
P_w = 461 psia
P_d = 424 psia
D = 16 Mcf/day

Company Northwest Production Corp.
By Ray Phillips RAY PHILLIPS
Title Manager, Prod Operations
Witnessed by ____
Company ____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4157	0.281	0.020	5	212,321	212,526	461

Pc = 9.402

RECEIVED
JUL 21 1958
OIL CON. COM.
DIST. 3